Benefits

Among the benefits to be provided by SpaceTEC™ are the following:

- Create a national technical education program and curriculum for aerospace technicians
- Infuse space-related themes into secondary and post-secondary curricula nationwide
- Provide faculty development opportunities for K-16
- Develop a lifelong learning environment based on aerospace program needs
- Establish a national certification process for aerospace technicians
- Serve as an aerospace technology resource clearinghouse
- Produce a unique national Center of Excellence that strengthens American leadership in space

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Visit the SpaceTEC™ website at:
http://www.spacetec.org/

Produced by Calhoun Community College

SpaceTEC™

National Aerospace Technical Education Center

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Community College of the Air Force
Cuyahoga Community College
Pearl River Community College
Prince George's Community College
San Jacinto College
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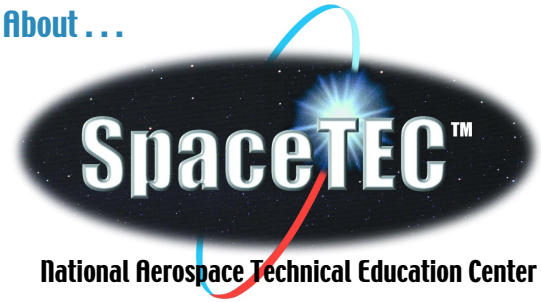
About . . .



National Aerospace Technical Education Center

A nation's success in any economic sector is directly related to the strength of its educational systems, and the aerospace industry is no exception. To address the need for skilled technicians and to spur student interest, the Community Colleges for Innovative Technology Transfer (CCITT), through a three-year, $3 million grant awarded by the National Science Foundation, established **SpaceTEC™**, a National Aerospace Technical Education Center.

SpaceTEC™ will formalize aerospace technician education nationally and establish a skills-based standards program that has industry-wide endorsement. The Center will sponsor regional and national advisory committees, national articulation with K-12 and post-secondary institutions, a national professional development organization, a formal certification process in conjunction with the National Skills Standards Board, innovative faculty development, resources for national dissemination, coordinated curriculum development, and instructional materials with space-related themes for non-aerospace disciplines such as English and Humanities.

Formed in 1994, the Community Colleges for Innovative Technology Transfer (CCITT) is a national consortium of community colleges committed to incorporating innovative technological dimensions into existing and future educational programs and services. The member colleges participating in this initiative are affiliated with NASA centers or Department of Defense (DOD) locations. Collectively, these participating CCITT institutions enroll over 400,000 students annually and are located in areas with a high concentration of aerospace companies employing over 250,000 technicians and aerospace specialists.

Our Vision

The vision of SpaceTEC™ is to be the focal point for aerospace related technical education resources providing motivation for academic studies and professional development services for faculty, students, and aerospace employees.

Our Mission

The mission of SpaceTEC™ is to create and implement an industry-driven, government-endorsed, technical education process for aerospace technicians that can be shared with other educational venues.

Goals

The goals of this program are:

Goal 1 - Create a national-level aerospace technician education program that addresses aerospace industry needs including modules/or regional needs.

Goal 2 - Enhance faculty development and provide for national dissemination of space-related themes into technical and general education curricula.

Goal 3 - Develop and nurture a lifelong learning environment for aerospace technicians, including career development links among students, educators, and employers.

Goal 4 - Initiate an industry-supported national certification process for aerospace technicians.

Curriculum

The heart of SpaceTEC's mission is curricula that are nationally recognized, industry-driven, and well articulated. The primary tools to develop and implement nationally-recognized curricula are the formal "Developing A Curriculum" (DACUM) process, rigorous 2+2+2 articulation, and participation by a broad range of partnering stakeholders. DACUMs have already begun for core programs at Brevard, Calhoun, San Jacinto, and Allan Hancock.

SPACETEC DELIVERABLES

- Develop a recruitment process for partner schools including retention, outreach pathways, internships and a national student recruitment website.
- Form a National Aerospace Technology Advisory Committee with representative from national aerospace companies and interested government agencies.
- Develop a National Aerospace Technology core curriculum and concentrations to fit local employers such as manufacturing, payloads, life support, launch, quality assurance and tests and measurements.
- Develop national frameworks for colleges and K-12 curricula.
- Identify standards for desired technician skills and an assessment program.
- Test and implement the skills assessment program.
- Implement a career continuing education program for technicians.
- Develop curriculum, assessment and membership databases.
- Conduct faculty workshops, internships, K-12 dissemination and workshops.
- Establish pathways and outreach programs.
- Generate appropriate public relation information.